



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jack M. Erick

Appl. No.: 09/485,956

Filed: June 16, 2000

Group: 3661

Examiner: T. Nguyen

For: COLLISION AVOIDANCE USING GPS DEVICE AND TRAIN PROXIMITY  
DETECTORAssistant Commissioner for Patents  
Washington, D. C. 20231

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231 on

June 12, 2001  
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AMENDMENT AND RESPONSE

In response to the Office Action dated February 21, 2001, please amend the application in the following manner.

IN THE CLAIMS

Please amend the claims as follows:

1. A train collision avoidance system, comprising:
  - a data base storing train grade crossing data identifying coordinates where a railroad track intersects with a road and for each train grade crossing data stored, storing in association therewith road heading data indicating the heading of roads intersecting respective railroad tracks at the grade crossings;
  - a processor programmed to receive GPS vehicle location data that identifies a location of a vehicle, and programmed to use said GPS vehicle location data and said train grade crossing data to determine if the vehicle is within a predefined distance from a grade crossing;